



FAMILY & CONSUMER SCIENCES

HEALTH SCIENCE

SKILLED & TECHNICAL SCIENCES

MARKETING

INFORMATION TECHNOLOGY

BUSINESS

AGRICULTURE

TECHNOLOGY & ENGINEERING

KEY to the information in the CAREER CHARTS*

Star Rating

The Utah Department of Workforces Services created the star rating system to rank jobs based on both outlook (90 percent on the number of annual openings projected for the occupation, and 10 percent on the growth rate) and wages (median annual wages for the occupation in Utah). "Five Star" jobs are those with the strongest employment outlook and high wages, with four, three, two and one star ratings applied as the rankings go down. Please note, however, that occupations are grouped by training level and so the wages for a "high paying" job that requires just short-term on-the-job training, will not match the wages of a "high paying" job that requires a college education. In addition, a five star rating does not necessarily mean that a job will be easy to find since that will depend on the number of qualified applicants available to fill openings. Think "demand vs. supply."

Occupational Title & Description

Occupational titles and descriptions reflect information developed by the U. S. Department of Labor to use in the Occupational Information Network, also known as "O*NET." (<http://online.onetcenter.org/>)

Interest Code

Also known as "Holland codes," the interest codes assigned to occupations in the chart come from O*NET. You may have taken an interest assessment to help you understand your personal career interest code, and that will help you find occupations that are suited to your interests. For more information on "Realistic (R)," "Investigative (I)," "Artistic (A)," "Social (S)," "Enterprising (E)," and "Conventional (C)" interest types (and combinations thereof), talk to your school counselor and complete the Interest Profiler in UtahFutures.

Statewide Hourly Wages

The first amount listed in this column is for “inexperienced” workers and reflects the average wage of the bottom third of the people working in that occupation in Utah. The second amount in the column is the “median” wage, representing the middle wage in the full range of wages paid to workers in that occupation in Utah. Source of data: Utah Department of Workforce Services.

Utah Job Openings

This column reflects the average number of annual openings (total of openings due to growth, plus net replacement, 2006-16) that are pro-

jected for the occupation, as well the total number of people in Utah projected to be employed in this occupation by the year 2018 (reflecting the size of that occupation in Utah). Source of data: Utah Department of Workforce Services.

**As a total group, the occupations reflected in this series of charts by Area of Study, reflect the large majority of the jobs in which people are employed in Utah.*

Education/ Training Level

There are eleven levels of education and training defined by the U. S. Department of Labor to describe that level generally needed to qualify for employment. “Long-term” is training that lasts 12 months or more; “Moderate-term” lasts 1-12 months; and “Short-term” is under 0-1 month long. If you have questions about other terms used, talk to your counselor or consult the glossary in Utah-Futures. Source of Data: Utah Department of Workforce Services.

Other

Other interesting or important facts about the occupation; e.g., “Licensed” indicates that this is an occupation for which you must be licensed to practice in the state of Utah. (Full list of licensed occupations in Utah can be found at: <http://jobs.utah.gov/opencms/wi/pubs/licensedoccup>.)

Shaded Cells:

You may have noticed that some of the cells in “Wages,” “Job Openings” and “Training Level” are shaded. The shading indicates that this occupation meets the criterion for “High wage” (more than \$15.70/hour), “High Demand” (50 or more annual openings), and/or “High Skills” (training results in certification, licensure, or college degree), defined by the Utah State Office of Education.



AGRICULTURE

Did you know?

Agriculture is the nation's largest employer, generating approximately 20% of our nation's gross national product and 20% of our national employment.

Learn More > www.utahcte.org/career/agriculture.php



Star Rating	Occupational Title & Description	Interest Code	Statewide Hourly Wages Inexperienced Median	Utah Job Outlook Openings Total Emp. 2018	Education/ Training Level	Other
*****	Construction and Mining Supervisor/Manager – Directly supervises and coordinates activities of construction trades workers and their helpers.	ERC	\$19.93 \$26.10	440 Openings 13,324 Total	Related Experience	Licensed Nontraditional for women
****	Environmental Scientist and Specialist, Including Health – Conducts research to develop methods of eliminating or controlling sources of environmental pollutants.	IRC	\$21.56 \$29.02	40 Openings 949 Total	Master's Degree	Licensed
*	Farmworker and Laborer, Crop, Nursery, and Greenhouse – Performs general farm labor duties as directed by farmers or supervisors.	R	\$7.86 \$9.61	220 Openings 7,569 Total	Short-Term OJT	
Not Rated	Forest and Conservation Technician – Compiles data pertaining to size, content, condition, and other characteristics of forest tracts.	RIE	\$9.60 \$11.90 (2016)	50 Openings 1,030 Total (2016)	Associate Degree	Nontraditional for women
***	Laborer and Freight, Stock, and Material Mover, Hand – Loads, unloads, and moves freight materials at a plant, yard, or other work site.	R	\$8.30 \$11.00	790 Openings 21,018 Total	Short-Term OJT	Nontraditional for women

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Star Rating	Occupational Title & Description	Interest Code	Statewide Hourly Wages Inexperienced Median	Utah Job Outlook Openings Total Emp. 2018	Education/ Training Level	Other
***	Landscaping and Groundskeeping Worker – Landscapes and maintains gardens, lawns, and grounds.	RC	\$8.33 \$11.17	570 Openings 17,669 Total	Short-Term OJT	Nontraditional for women
*	Packer and Packager, Hand – Packs or packages a wide variety of products and materials by hand.	RC	\$7.57 \$9.33	180 Openings 7,018 Total	Short-Term OJT	
***	Packaging and Filling Machine Operator and Tender – Tends and operates machines that packages products.	RC	\$8.48 \$11.54	150 Openings 4,681 Total	Short-Term OJT	
****	Veterinarian – Examines, diagnoses, and treats medical problems in animals.	IR	\$25.02 \$38.31	20 Openings 537 Total	Professional Degree	Licensed

A Sample of Related Postsecondary Programs of Study

- Agribusiness
- Agriculture Business
- Animal, Dairy and Veterinary Sciences/Dairy Herdsman
- Horticulture Training
- Livestock Farm Management
- Ornamental Horticulture



The Pathways

- Agricultural Systems Technology
- Horticulture Science & Management
- Natural Resources Science & Management
- Production/Processing Animal Science
- Production/Processing Plant & Soil Science
- Production/Processing Science & Management

UtahFutures.org
Career Information System

Access your SEOP and get detailed education and occupational information.

Additional Resources

www.utffa.org

FFA is the student leadership organization for Agricultural Education.